

IN THE CLAIMS:

Please AMEND claims 1, 6, 10-17, and 19-21; and

Please ADD claim 22, as shown below.

1. (Currently Amended) An internet protocol based system, comprising:
a plurality of entities,
wherein at least two of said entities ~~being~~are arrangedconfigured to use ~~SCTP~~
stream control transmission protocol for ~~signalling~~signaling therebetween,
wherein said ~~SCTP~~stream control transmission protocol ~~signalling~~signaling
~~comprising~~comprises a source port number, a destination port number, data, and
connection identity information relating to a connection between at least two of said
entities, and
wherein said connection identity information identifies the ultimate destination of
said data.

2. (Previously Presented) A system as claimed in claim 1, wherein said
connection identity information comprises address information.

3. (Previously Presented) A system as claimed in claim 2, wherein said address
information identifies at least one other further entity.

4. (Previously Presented) A system as claimed in claim 1, wherein said connection identity information comprises information identifying an application.

5. (Original) A system as claimed in claim 1, wherein said connection identity information identifies a connection flow.

6. (Currently Amended) A system as claimed in claim 1, wherein said connection identity information is provided in an SCTP-stream control transmission protocol packet.

7. (Currently Amended) A system as claimed in claim 6, wherein said connection identity information is provided in the data chunk part of the SCTP-stream control transmission protocol packet.

8. (Original) A system as claimed in claim 7, wherein said connection identity information is provided in a payload protocol identifier field.

9. (Original) A system as claimed in claim 7, wherein said connection identity information is provided in a field between a stream sequence number field and user data.

10. (Currently Amended) A system as claimed in claim 6, wherein said connection identity information is provided in a header for the SCTP-stream control transmission protocol packet.

11. (Currently Amended) A system as claimed in claim 6, wherein said address information is provided in a separate field in said SCTP-stream control transmission protocol packet.

12. (Currently Amended) A system as claimed in claim 1, wherein at least one of the two entities is arrangedconfigured to provide further address information relating to at least one of said two entities.

13. (Currently Amended) A system as claimed in claim 1, wherein at least one of said two entities comprises means for sending and/or receiving a transmission unit configured to send and/or receive SCTP-stream control transmission protocol packets to and/or from the other of said two entities.

14. (Currently Amended) A system as claimed in claim 1, wherein at least one of said two entities comprises means for setting up a set up unit configured to set up SCTP stream control transmission protocol associations.

15. (Currently Amended) A system as claimed in claim 1, wherein at least one of said two entities comprises ~~means for receiving~~ a receiving unit configured to receive status information relating to ~~SCTP~~ stream control transmission protocol associations.

16. (Currently Amended) A system as claimed in claim 1, wherein at least one of said two entities comprises ~~means for forwarding~~ a forwarding unit configured to forward ~~SCTP~~ stream control transmission protocol packets to a radio network layer in dependence on said connection identity information ~~of said further entity~~.

17. (Currently Amended) A system as claimed in claim 1, wherein at least one of said two entities comprises ~~means for adding~~ an adding unit configured to add said connection identity information ~~of said further entity~~ to a ~~SCTP~~ stream control transmission protocol packet.

18. (Previously Presented) A system as claimed in claim 1, wherein said further entity comprises at least one of the following:

- user terminal,
- user,
- group of users,
- service,
- network, or part of network,

-server, or

-cell or base transceiver station.

19. (Currently Amended) A system as claimed in claim 1, wherein one of said entities is one of the following:

base station; controller; radio network controller; core network; radio network access server; gateway; or server,

and wherein the other of said entities is one of the following:

base station; controller; radio network controller; core network; radio network access server; gateway; or server.

20. (Currently Amended) A method for use in an internet protocol based system comprising a plurality of entities, the method comprising the steps of:

sending SCTP stream control transmission protocol transport signalling signaling information between two of said entities,

wherein said SCTP stream control transmission protocol signalling signaling information comprising comprises a source port number, a destination port number, data, and connection identity information relating to a connection between said two entities, and

wherein said connection identity information identifies the ultimate destination of said data.

21. (Currently Amended) An entity for use in a internet protocol based system, said entity comprising:

~~means for sending a transmission unit configured to send to another entity an a~~
~~SCTP stream control transmission protocol~~ transport packet,
~~wherein said entity being is arranged configured to include in said packet a source~~
~~port number, a destination port number, data, and connection identity information relating~~
~~to a connection between the entity and the another entity, and at least two of said entities~~
~~wherein said connection identity information identifies the ultimate destination of~~
~~said data.~~

22. (New) An entity for use in a internet protocol based system, said entity comprising:

means for sending to another entity a stream control transmission protocol transport packet,

wherein said entity is configured to include in said packet a source port number, a destination port number, data, and connection identity information relating to a connection between the entity and the another entity, and

wherein said connection identity information identifies the ultimate destination of said data.